

01-07-02

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01/02/02

JC056 U.S. PTO

Please type a plus sign (+) inside this box → ☒PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.JC056 U.S. PTO  
10/037004  
01/02/02**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	75978/16010
First Inventor	CONLAN et al.
Title	REMOVAL OF BIOLOGICAL CONTAMINANTS
Express Mail Label No.	EL633839451US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 29]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. ☐ Oath or Declaration [Total Pages 34]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Letter to the PTO

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP)
of prior application No. 09 / 877.371Prior application information: Examiner UnknownGroup Art Unit. 1741

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

23380

(Insert Customer Number or Bar Code Label here)

or ☐ Correspondence address below

Name

23380

PATENT &amp; TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Susan L. Mizer

Registration No. (Attorney/Agent)

38,245

Signature

Date

1/2/02

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision

**TOTAL AMOUNT OF PAYMENT** (\$)

712.00

**Complete if Known**

Application Number	Unknown
Filing Date	Herewith
First Named Inventor	CONLAN et al.
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	75978/16010

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-0902(75978/16010)**Deposit Account Name **Arter & Hadden**

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

**SUBTOTAL (1)** (\$)

370.00

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
44	-20** = 24	\$9.00	\$216.00
6	-3** = 3	\$42.00	\$126.00
Multiple Dependent			0

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)

\$342.00

\*\*or number previously paid, if greater, For Reissues, see above

**FEE CALCULATION (continued)**

Fee Code	Large Entity (\$)	Fee Code	Small Entity (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)

0

**SUBMITTED BY**Name (Print/Type) **Susan L. Mizer**Registration No. (Attorney/Agent) **38,245**

Complete (if applicable)

Telephone **(216) 696-3466**

Signature

Date

1/2/02

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application:

APPLICANT : CONLAN et al.  
FOR : REMOVAL OF BIOLOGICAL  
CONTAMINANTS  
EXPRESS MAIL NO. : EL633839451US  
FILED: : Herewith  
ART UNIT : Unknown  
EXAMINER : Unknown  
ATTORNEY DOCKET NO. : 75978/16010

LETTER

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231-9999

Dear Sir:

The attached application is submitted herewith absent a Combined Declaration  
and Power of Attorney in accordance with 37 CFR § 1.53(b). The inventors are as follows:

Brendon Conlan  
14/19-21 Murrary Street, Lane Cove  
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Thomas Norman Turton  
Unit 14, 40 Gerard Street, Cremorne  
Sydney, NSW, 2090, Australia

It is requested that the Patent Office direct all correspondence regarding this application  
to:

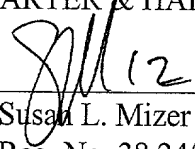
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1100 Huntington Building  
Cleveland, Ohio 44115  
**Customer No. 23380**  
Phone: 216/696-3466  
Facsimile: 216/696-2645

Further, this application is a Continuation-In-Part of prior application No. 09/887,371  
filed June 22, 2001, which also claims priority from Australian Provisional Patent Application  
No. PP7906 filed December 23, 1999.

Date: 1/2/02

Respectfully submitted,

ARTER & HADDEN LLP

  
\_\_\_\_\_  
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Phone: 216/696-3466  
Facsimile: 216/696-2645

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that the attached U.S. Patent Application having Docket No. 75978/16010 (along with any other paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on this 2<sup>nd</sup> day of January, 2002, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL633839451US addressed to the: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Anna C. Kundel

(Typed Name of Person Mailing Paper)

Anna C. Kundel

(Signature of Person Mailing Paper)